



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H129077-C

**Mode:** Highway

**Status:** Submitted

### US-1

**From/Cross Street:** North of SR 1606 (Fox Road)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** South of SR 1001 (Marston Road)

**Project Category:** Statewide Mobility

**Length:** 3.43

**TIP#:** R-2501C

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$15,311,000

#### Description:

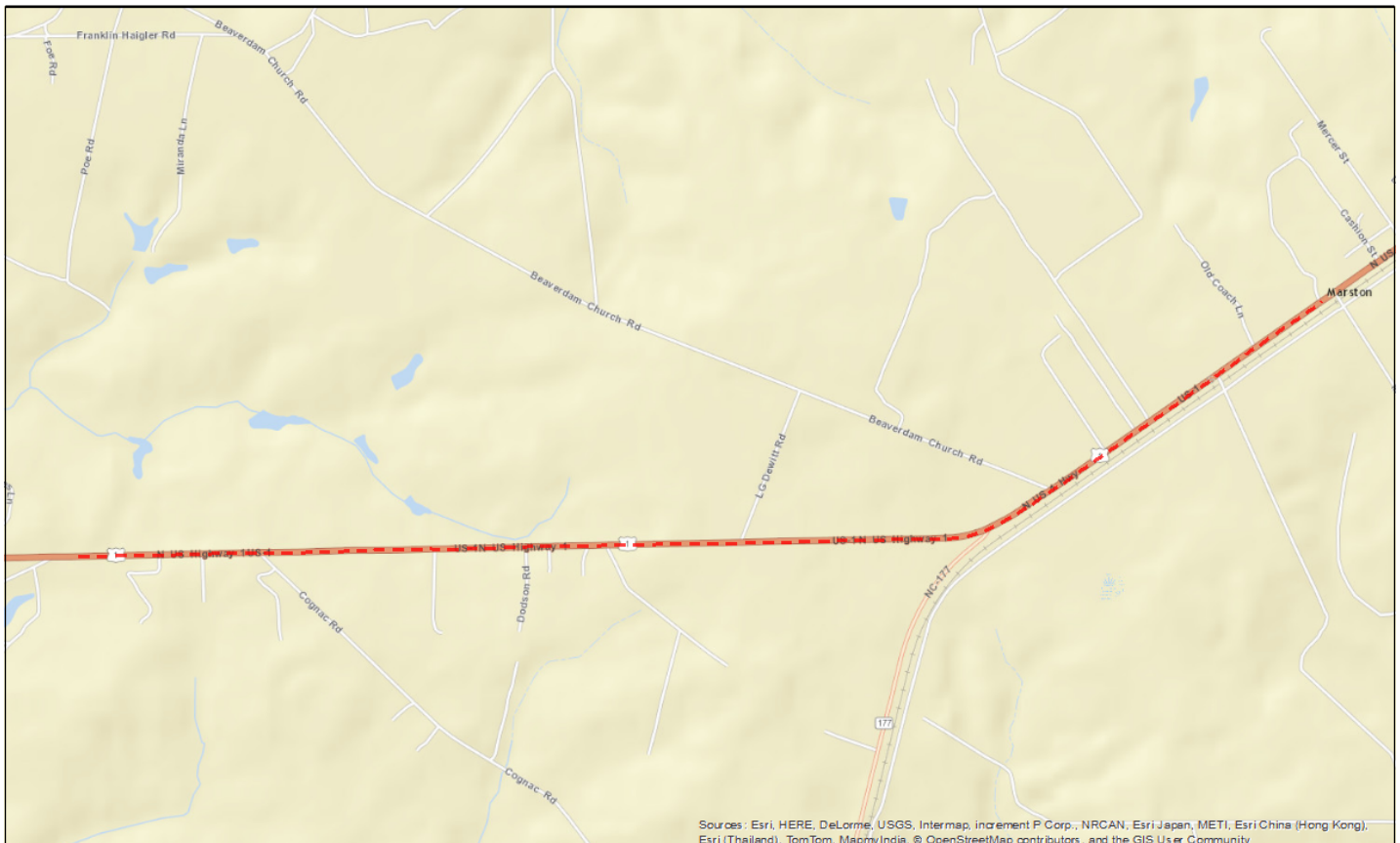
Widen to multi-lanes.

**Division(s):** Division 8

**County(s):** RICHMOND

**MPOS(s)/RPO(s):** Lumber River RPO

### Project Location



**Statewide Mobility Total Score: 14.49**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (30%) 0.00 Safety (10%) 77.64 Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 2.21 Congestion (V/C) (30%) 20.93	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 14.49</b>		

**Regional Impact Total Score: 44.87**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 77.64 [Travel Time] Benefit/Cost (25%) 0.00 Accessibility / Connectivity (10%) 18.70 Congestion (V/C) (25%) 20.93	Percent: 15% Points: 100	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 14.87</b>		

**Division Needs Total Score: 11.95**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 20.93 Safety (10%) 77.64 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 11.95</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	3.43
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	4900.75
Capacity:	15500
Volume/Capacity Ratio:	0.32
% Autos:	91%
% Trucks:	9%
Truck Volume:	442.43
Crash Density:	85.45
Crash Severity:	70.98
Critical Crash Rate:	76.52
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	68
Actual Congested Speed:	53.56
Travel Time Index:	1

**Project Benefits**

Project Cross-Section:	5A - 4 Lane with Two Way Left Turn Lane, Curb & Gutter, and Sidewalks
Speed Limit:	45
Length (miles):	3.43
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	-482615.78
Travel Time Savings for 30 Years (Autos):	-439046.54
Travel Time Savings for 30 Years (Trucks):	-43569.24
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 8	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Lumber River RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$14,820,000	TIP Unit
Right-of-Way Cost:	\$438,000	Cost Estimation Tool
Utilities Cost:	\$53,000	Cost Estimation Tool
Total Project Cost:	\$15,311,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$15,311,000</b>	